

## CLAIMS

1. A copolymer of ethylene and a vinyl compound (I) represented by the general formula  $\text{CH}_2=\text{CH}-\text{R}$ , wherein R is a saturated hydrocarbon group, the steric parameter  $E_s$  of the substituent R is from -2.77 to -1.64 and the steric parameter  $B_1$  of the substituent R is from 1.53 to 2.90, wherein the copolymer substantially has no crystallinity.

2. A copolymer of ethylene and a vinyl compound (I) represented by the general formula  $\text{CH}_2=\text{CH}-\text{R}$ , wherein R is a saturated hydrocarbon group, the steric parameter  $E_s$  of the substituent R is from -2.77 to -1.64 and the steric parameter  $B_1$  of the substituent R is from 1.53 to 2.90, wherein the copolymer has a structure in which carbons substituted with substituents R are separated from each other by one methylene unit in its skeleton.

3. The copolymer according to claim 1, wherein the content of a unit derived from the vinyl compound (I) in the copolymer is from 5 to 90 mol%.

4. The copolymer according to claim 2, wherein the content of a unit derived from the vinyl compound (I) in the copolymer is from 5 to 90 mol%.

5. The copolymer according to claim 1, wherein the substituent R in the vinyl compound (I) is a secondary alkyl group.

6. The copolymer according to claim 2, wherein the substituent R in the vinyl compound (I) is a secondary alkyl

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7. The copolymer according to claim 1, wherein the vinyl compound (I) is vinylcyclohexane.

9. A molded article comprising the copolymer of claim 1.

10            11. The molded article according to claim 9, the molded  
article is a film, a sheet or a pipe.

13. An adhesive comprising the copolymer of claim 1 as an effective ingredient.

14. An adhesive comprising the copolymer of claim 2 as an effective ingredient.

15. A laminate comprising the copolymer of claim 1.

16. A laminate comprising the copolymer of claim 2.